Botswana

Epidemiological Fact Sheet

on HIV/AIDS and sexually transmitted infections



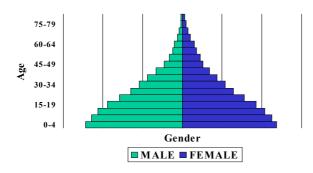
2000 Update





Country Information

Population pyramid, 1999



Indicators	Year	Estimate	Source
Total Population (thousands)	1999	1,597	UNPOP
Population Aged 15-49 (thousands)	1999	786	UNPOP
Annual Population Growth	1990-1998	2.6	UNPOP
% of Population Urbanized	1998	64	UNPOP
Average Annual Growth Rate of Urban Population	1990-1998	7.9	UNPOP
GNP Per Capita (US\$)	1997	3,310	World Bank
GNP Per Capita Average Annual Growth Rate	1996-1997	3.0	World Bank
Human Development Index Rank (HDI)	1999	122	UNDP
% Population Economic Active			
Unemployment Rate	1995	21.5	ILO
Total Adult Literacy Rate	1995	90	UNESCO
Adult Male Literacy Rate	1995	81	UNESCO
Adult Female Literacy Rate	1995	60	UNESCO
Male Secondary School Enrollment Ratio	1997	64.3	UNESCO
Female Secondary School Enrollment Ratio	1997	71.0	UNESCO
Crude Birth Rate (births per 1,000 pop.)	1999	33	UNPOP
Crude Death Rate (deaths per 1,000 pop.)	1999	17	UNPOP
Maternal Mortality Rate (per 100,000 live births)	1990	250	WHO
Life Expectancy at Birth	1998	47	UNPOP
Total Fertility Rate	1998	4.3	UNPOP
Infant Mortality Rate (per 1,000 live births)	1999	60	UNICEF/UNPOP

UNAIDS/WHO Working Group on Global HIV/AIDS and STI Surveillance

Global Surveillance of HIV/AIDS and sexually transmitted infections (STIs) is a joint effort of WHO and UNAIDS. The UNAIDS/WHO Working Group on Global HIV/AIDS and STI Surveillance, initiated in November 1996, guides respective activities. The primary objective of the working group is to strengthen national, regional and global structures and networks for improved monitoring and surveillance of HIV/AIDS and STIs. For this purpose, the working group collaborates closely with national AIDS programmes and a number of national and international experts and institutions. The goal of this collaboration is to compile the best information available and to improve the quality of data needed for informed decisionmaking and planning at national, regional and global levels. The Epidemiological Fact Sheets are one of the products of this close and fruitful collaboration across the globe.

The working group and its partners have established a framework standardizing the collection of data deemed important for a thorough understanding of the current status and trends of the epidemic, as well as patterns of risk and vulnerability in the population. Within this framework, the Fact Sheets collate the most recent country-specific data on HIV/AIDS prevalence and incidence, together with information on behaviours (e.g casual sex and condom use) which can spur or stem the transmission of HIV.

Not unexpectedly, information on all of the agreedupon indicators was not available for many countries in 1999. However, these updated Fact Sheets do contain a wealth of information which allows identification of strengths in currently existing programmes and comparisons between countries and regions. The Fact Sheets may also be instrumental in identifying potential partners when planning and implementing improved surveillance systems.

The fact sheets can be only as good as information made available to the UNAIDS/WHO Working Group on Global HIV/AIDS and STI Surveillance. Therefore, the working group would like to encourage all programme managers as well as national and international experts to communicate additional information to the working group whenever such information becomes available. The working group also welcomes any suggestions for additional indicators or information proven to be useful in national or international decision-making and planning.

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Estimated number of people living with HIV/AIDS

In 1999 and during the first quarter of 2000, UNAIDS and WHO worked closely with national governments and research institutions to recalculate current estimates on people living with HIV/AIDS. These calculations are based on the previously published estimates for 1997 and recent trends in HIV/AIDS surveillance in various populations. A methodology developed in collaboration with an international group of experts was used to calculate the new estimates on prevalence and incidence of HIV and AIDS deaths, as well as the number of children infected through mother-to-child transmission of HIV. Different approaches were used to estimate HIV prevalence in countries with low-level, concentrated or generalized epidemics. The current estimates do not claim to be an exact count of infections. Rather, they use a methodology that has thus far proved accurate in producing estimates that give a good indication of the magnitude of the epidemic in individual countries. However, these estimates are constantly being revised as countries improve their surveillance systems and collect more information.

Adults in this report are defined as women and men aged 15 to 49. This age range covers people in their most sexually active years. While the risk of HIV infection obviously continues beyond the age of 50, the vast majority of those who engage in substantial risk behaviours are likely to be infected by this age. The 15 to 49 age range was used as the denominator in calculating adult HIV prevalence.

□ Estimated number of adults and children living with HIV/AIDS, end of 1999

These estimates include all people with HIV infection, whether or not they have developed symptoms of AIDS, alive at the end of 1999

Adults and children	290000		
Adults (15-49)	280000	Adult rate (%)	35.80
Women (15-49)	150000		
Children (0-14)	10000		

□ Estimated number of deaths due to AIDS

Estimated number of adults and children who died of AIDS during 1999:

Deaths in 1999 24000

Estimated number of orphans

Estimated number of children who have lost their mother or both parents to AIDS (while they were under the age of 15) since the beginning of the epidemic:

Cumulative orphans 66000

Estimated number of children who have lost their mother or both parents to AIDS and who were alive and under age 15 at the end of 1999:

Current living orphans 54943

Assessment of epidemiological situation - Botswana

HIV sentinel surveillance of antenatal clinic attendees began in Gaborone in 1990. Since 1992, National Sentinel Surveillance Surveys have been conducted in Botswana. The major urban areas include Gaborone, Francistown, and Selebi-Phikwe. Median HIV prevalence among antenatal clinic attendees tested in the major urban areas increased from 6 percent in 1990 to 43 percent in 1998 with a range of 39 to 50 percent in 1998. Age detail is available from Gaborone and Francistown for 1992, 1993, 1995, 1997, and 1998. HIV prevalence among antenatal clinic attendees less than 20 years of age tested increased from 18 percent in 1992 to 33 percent in 1998. Among women 20 to 29 years of age, 45 to 48 percent tested were HIV positive. Outside of the major urban areas, median HIV prevalence increased from no evidence of infection in 1985-87 to 30 percent in 1995 and has remained at that level through 1998. In 1998, HIV prevalence ranged from 22 percent to 38 percent. Age detail is again available for 1992, 1993, and 1995. For 1997 and 1998 the age breakdown is for the total country. HIV prevalence among antenatal clinic attendees less than 20 years of age tested increased from 7 percent in 1992 to 36 percent in 1995. In 1998, 29 percent of antenatal clinic attendees less than 20 years of age tested HIV positive. However, 44-45 percent of 20 to 29 year olds were HIV positive.

There is no information available on HIV prevalence among sex workers in Botswana.

Information on HIV prevalence among male STD clinic patients is available from Gaborone since 1992, Francistown since 1993 and Selebi-Phiwke in 1998. HIV prevalence increased from 22 percent in 1992 to 60 percent in 1998 among STD patients tested. Outside of the major urban areas, HIV prevalence among male STD patients tested increased from no evidence of HIV infection in 1985-87 to a median of 53 percent in 1998. In 1998, HIV prevalence among male STD clinic patients tested ranged from 36 to 64 percent.

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HIV sentinel surveillance

This section contains information about HIV prevalence in different populations. The data reported in the tables below are mainly based on the HIV data base maintained by the United States Bureau of the Census where data from different sources, including national reports, scientific publications and international conferences is compiled. To provide for a simple overview of the current situation and trends over time, summary data are given by population group, geographical area (Major Urban Areas versus Outside Major Urban Areas), and year of survey. Studies conducted in the same year are aggregated and the median prevalence rates (in percentages) are given for each of the categories. The maximum and minimum prevalence rates observed, as well as the total number of surveys/sentinel sites, are provided with the median, to give an overview of the diversity of HIV-prevalence results in a given population within the country. Data by sentinel site or specific study on which the medians were calculated are printed at the end of this fact sheet.

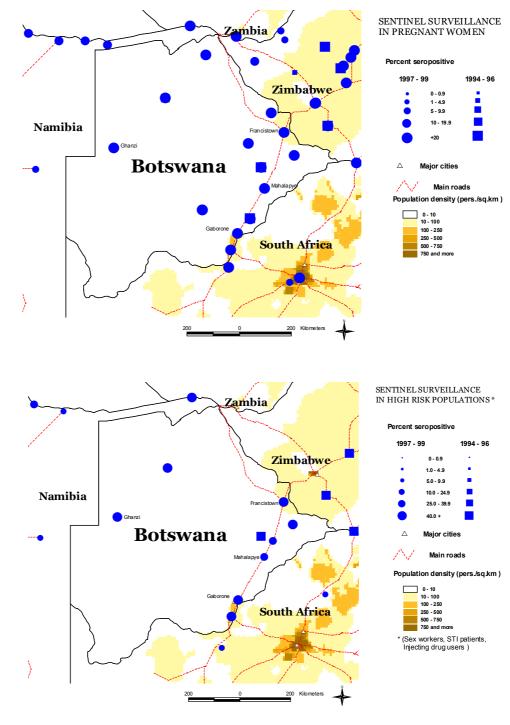
The differentiation between the two geographical areas Major Urban Areas and Outside Major Urban Areas is not based on strict criteria, such as the number of inhabitants. For most countries, Major Urban Areas were considered to be the capital city and – where applicable – other metropolitan areas with similar socio-economic patterns. The term Outside Major Urban Areas considers that most sentinel sites are not located in strictly rural areas, even if they are located in somewhat rural districts.

☐ HIV prevalence in selected populations in percent (for blood donors: 1/100 000)

Group	Area		1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Pregnant women	Major Urban Areas	N-sites							1	1	2	2	3	2	3	2	3	
		Minimum							6	8	14.9	19.2	27	28.7	31.4	34	39.1	
		Median							6	8	19.3	26.75	27.8	34.15	37.8	38.5	43	
		Maximum							6	8	23.7	34.3	29.7	39.6	43.1	42.9	49.9	
Pregnant women	Outside Major Urban Areas	N-sites			1				1		2	5	3	5	4	5	6	
		Minimum			0				4.1		7.5	9.5	16	18.9	21.8	28.2	22.3	
		Median			0				4.1		10.1	17.8	19.4	29.9	31.6	33.7	30	
		Maximum			0				4.1		12.7	19.9	23.1	38.9	43.8	38.3	37.5	
Group	Area		1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Sex workers	Major Urban Areas	N-sites																
		Minimum																
		Median																
		Maximum																
Sex workers	Outside Major Urban Areas	N-sites																
		Minimum																
		Median																
		Maximum																
Group	Area		1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Injecting drug users	Major Urban Areas	N-sites																
		Minimum																
		Median																
		Maximum																
njecting drug users	Outside Major Urban Areas	N-sites																
		Minimum																
		Median																
		Maximum																
Group	Area		1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
STI patients	Major Urban Areas	N-sites									1	2	2	2		2	3	
		Minimum									21.8	30.2	38.1	34.9		39.8	54.2	
		Median									21.8	39.35	46	42.8		50	60.04	
		Maximum									21.8	48.5	53.8	50.7		60.1	64	
STI patients	Outside Major Urban Areas	N-sites			1						1	3		4		4	6	
		Minimum			0						23.2	15.2		11.5		33.7	35.5	
		Median			0						23.2	16.2		44.85		35.7	52.8	
		Maximum			0						23.2	43.6		50.6		49.3	64	
Group	Area		1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Blood Donors	National	N-sites																
		Minimum																
		Median																
		Maximum																
Blood Donors	Major Urban Areas	N-sites																
		Minimum																
		Median																
		Maximum																
					1000	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Group	Area		1984	1985	1986	1987	1300	1303	1000	.00.	1002	1999	1994	1995	1990	1997	1990	
•	Area Major Urban Areas	N-sites	1984	1985	1986	1967	1300	1303	1550	.001	1002	1995	1994	1995	1990	1997	1990	
Men having sex with		N-sites Minimum	1984	1985	1986	1967	1300	1303	1330	1001	1332	1995	1994	1995	1990	1997	1990	
Group Men having sex with men			1984	1985	1986	1987	1300	1303	1330	1001	1332	1995	1994	1995	1990	1997	1990	

Maps of HIV sentinel sites

Mapping the geographical distribution of HIV sentinel sites for different population groups may assist interpreting both the national coverage of the HIV surveillance system and explaining differences in levels and trends of prevalence. The UNAIDS/WHO Working Group on Global HIV/AIDS and STI Surveillance, in collaboration with the UNICEF/WHO HealthMap Programme, has produced maps showing the location and HIV prevalence of HIV sentinel sites in relation to population density, major urban areas and communication routes. Maps illustrate separately the most recent results from HIV sentinel surveillance in pregnant women and in sub-populations at higher risk of HIV infection.



The boundaries and names shown and the designations used on these maps do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement.

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Reported AIDS cases

AIDS cases by year of reporting

1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Total	Unkn
0	0	0	0	0	0	0	0	0	21	14	133	320	590	870	968	535	1364	2335	2992		10142	0

Fer

Date of last report: 10/Jun/99

Following WHO and UNAIDS recommendations, AIDS case reporting is carried out in Section 1. most countries. Data from individual AIDS cases is aggregated at the national level and sent to WHO. However, case reports come from surveillance systems of varying quality. All Reporting rates vary substantially from country to country and low reporting rates are common in developing countries due to weaknesses in the health care and epidemiological systems. In addition, countries use different AIDS case definitions. A main disadvantage of AIDS case reporting is that it only provides information on transmission patterns and levels of infection approximately 5-10 years in the past, limiting its usefulness for monitoring recent HIV infections.

Despite these caveats, AIDS case reporting remains an important advocacy tool and is useful in estimating the burden of HIV-related morbidity as well as for short-term planning of health care services. AIDS case reports also provide information on the demographic and geographic characteristics of the affected population and on the relative importance of the various exposure risks. In some situations, AIDS reports can be used to estimate earlier HIV infection patterns using back-calculation. AIDS casereports and AIDS deaths have been dramatically reduced in industrialized countries with Mal the introduction of HAART (Highly Active Anti-Retroviral Therapy).

AIDS cases by mode of transmission

Hetero: Heterosexual contacts. Homo/Bi: Homosexual contacts between men. IDU: Injecting drug use. This transmission category also includes cases in which other high-risk behaviours were reported, in addition to injection of drugs. Blood: Blood and blood products

Perinatal: Vertical transmission during pregnancy, birth or breastfeeding.

NS: Not specified/unknown.

Sex	Trans. Group	<96	1996	1997	1998	1999	Unkn	Total	%
All	Total								
	Hetero	2137	1271	650					
	Homo/Bi	0							
	IDU	0							
	Blood	0							
	Perinatal	133	97	50					
	Other Known	0							
	Unknown	213							
Male	Total								
	Hetero								
	Homo/Bi								
	IDU								
	Blood								
	Perinatal								
	Other Known								
	Unknown								
Female	Total								
	Hetero								
	IDU								
	Blood								
	Perinatal								
	Other Known								
	Unknown								
NS	Total								
	Hetero								
	IDU								
	Blood								
	Perinatal								
	Other Known								
	Unknown								

Aids cases b	v age and	sex
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		,	3						
Sex	Age	<96	1996	1997	1998	1999	Unkn.	Total	%
ı	All		1364	2245	2811			6420	100.0
	0-4		172	363	81			616	9.6
	5-9		8	17	36			61	1.0
	10-14		0	1	10			11	0.2
	15-19		24	21	104			149	2.3
	20-24		162	220	521			903	14.1
	25-29		263	366	809			1438	22.4
	30-34		246	381	502			1129	17.6
	35-39		188	338	342			868	13.5
	40-44		146	198	197			541	8.4
	45-49		64	134	108			306	4.8
	50-54		75	85	67			227	3.5
	55-60+		16	121	34			171	2.7
	NS		0	0	0			0	0.0
	All		628	1142	1603			3373	100.0
ale	0-4		93	196	31			320	9.5
	5-9		3	11	12			26	0.8
	10-14		0	1	4			5	0.1
	15-19		5	1	65			71	2.1
			33	46	304				
	20-24							383	11.4
	25-29		96	152	538			786	23.3
	30-34		127	200	258			585	17.3
	35-39		95	187	184			466	13.8
	40-44		87	136	97			320	9.5
	45-49		42	91	56			189	5.6
	50-54		42	59	34			135	4.0
	55-60+		5	62	20			87	2.6
	NS		0	0	0			0	0.0
male	All		736	1103	1208			3047	100.0
	0-4		79	167	50			296	9.7
	5-9		5	6	24			35	1.1
	10-14		0	0	6			6	0.2
	15-19		19	20	39			78	2.6
	20-24		129	174	217			520	17.1
	25-29		167	214	271			652	21.4
	30-34		119	181	244			544	17.9
	35-39		93	151	158			402	13.2
	40-44		59	62	100			221	7.3
	45-49		22	43	52			117	3.8
	50-54		33	26	33			92	3.0
	55-60+		11	59	14			84	2.8
	NS		0	0	0			0	0.0
NS			0	0	0			0	
	0-4		0	0	0			0	
	5-9		0	0	0			0	
	10-14		0	0	0			0	
	15-19		0	0	0			0	
	20-24		0	0	0			0	
	25-29		0	n	0			0	
			0	0	0			0	
	30-34 35-39								
			0	0	0			0	
	40-44		0	0	0			0	
	45-49		0	0	0			0	
	50-54		0	0	0			0	
	55-60+		0	0	0			0	
	NS		0	0	0			0	

Curable Sexually Transmitted Infections (STIs)

The predominant mode of transmission of both HIV and other STIs is sexual intercourse. Measures for preventing sexual transmission of HIV and STI are the same, as are the target audiences for interventions. In addition, strong evidence supports several biological mechanisms through which STI facilitate HIV transmission by increasing both HIV infectiousness and HIV susceptibility. Significant also is the observation of a sharp decline in the concentration of HIV in the genital secretions when the infection is treated. Monitoring trends in STI can provide valuable information on the sexual transmission of HIV as well as the impact of behavioural interventions, such as promotion of condom use.

Clinical services offering STI care are an important access point for people at high risk for both AIDS and STI, not only for diagnosis and treatment

of STI control can also provide information on HIV prevention within a country. Estimated incidence and prevalence of curable STIs	symptomatic STIs Consequently, moi
Incidence Prevention Indicator 9: Proportion of pregnant women aged 15-24 years attending antenatal clinics screened with positive serology for syphilis. Year Area Age Rate Comments: Sources: STI Case management (counselled) Prevention Indicator 7: Proportion of people presenting with STI or for STI care in health facilities we condoms and on partner notification. Year Area Age Rate Comments: Sources: STI Case management (treatments)	
STI's Year Male Female All Year Male Chlamydia trach. Gonorrhoea Syphilis Trichomonas Comments: Source: STI Incidence, men Prevention Indicator 9: Proportion of men aged 15-49 years who reported episodes of urethritis in the Year Area Age Rate Comments: Sources: STI Prevalence, women Prevention Indicator 8: Proportion of pregnant women aged 15-24 years attending antenatal clinics screened with positive serology for syphilis. Year Area Age Rate Comments: Sources: STI Case management (counselled) Prevention Indicator 7: Proportion of people presenting with STI or for STI care in health facilities we condoms and on partner notification. Year Area Age Rate Comments: Sources: STI Case management (treatments)	
Chlamydia trach. Gonorrhoea Syphilis Trichomonas Comments: Source: STI Incidence, men Prevention Indicator 9: Proportion of men aged 15-49 years who reported episodes of urethritis in the Year Area Age Rate Comments: Sources: STI Prevalence, women Prevention Indicator 8: Proportion of pregnant women aged 15-24 years attending antenatal clinics screened with positive serology for syphilis. Year Area Age Rate Comments: Sources: STI Case management (counselled) Prevention Indicator 7: Proportion of people presenting with STI or for STI care in health facilities we condoms and on partner notification. Year Area Age Rate Comments: Sources: STI Case management (treatments)	alence
Gonorrhoea Syphilis Trichomonas Comments: Source: Source: Stil Incidence, men Prevention Indicator 9: Proportion of men aged 15-49 years who reported episodes of urethritis in the Year Area Age Rate Comments: Sources: Stil Prevalence, women Prevention Indicator 8: Proportion of pregnant women aged 15-24 years attending antenatal clinics screened with positive serology for syphilis. Year Area Age Rate Comments: Sources: Stil Case management (counselled) Prevention Indicator 7: Proportion of people presenting with STI or for STI care in health facilities we condoms and on partner notification. Year Area Age Rate Comments: Sources: Stil Case management (treatments)	Female
Syphilis Trichomonas Comments: Sources: STI Incidence, men	
Trichomonas Comments: Source: STI Incidence, men	
Comments: Source: STI Incidence, men	
Source: STI Incidence, men	
□ STI Incidence, men Prevention Indicator 9: Proportion of men aged 15-49 years who reported episodes of urethritis in the second of the sec	
Comments: Sources: STI Prevalence, women Prevention Indicator 8: Proportion of pregnant women aged 15-24 years attending antenatal clinics screened with positive serology for syphilis. Year Area Age Rate Comments: Sources: STI Case management (counselled) Prevention Indicator 7: Proportion of people presenting with STI or for STI care in health facilities w condoms and on partner notification. Year Area Age Rate Comments: Sources: STI Case management (treatments)	ne last 12 months
Sources: STI Prevalence, women	N=
Sources: STI Case management (counselled) Prevention Indicator 7: Proportion of people presenting with STI or for STI care in health facilities we condoms and on partner notification. Year Area Age Rate Comments: Sources: STI Case management (treatments)	N=
Sources: STI Case management (counselled) Prevention Indicator 7: Proportion of people presenting with STI or for STI care in health facilities we condoms and on partner notification. Year Area Age Rate Comments: Sources: STI Case management (treatments)	
Prevention Indicator 7: Proportion of people presenting with STI or for STI care in health facilities w condoms and on partner notification. Year Area Age Rate Comments: Sources: STI Case management (treatments)	
Prevention Indicator 7: Proportion of people presenting with STI or for STI care in health facilities w condoms and on partner notification. Year Area Age Rate Comments: Sources: STI Case management (treatments)	
Comments: Sources: STI Case management (treatments)	
Comments: Sources: STI Case management (treatments)	ho received basic
Sources: STI Case management (treatments)	N=
Sources: STI Case management (treatments)	
<u> </u>	
Prevention Indicator 6: Proportion of people presenting with STI in health facilities assessed and tre	
(according to national standards).	
Year Area Age Rate	eated in an approp

Comments: Sources:

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Health service indicators

HIV prevention strategies depend on the twin efforts of care and support for those living with HIV or AIDS, and targeted prevention for all people at risk or vulnerable to the infection. These efforts may range from reaching out to vulnerable communities through large-scale educational campaigns or interpersonal communication; provision of treatment for STIs; distribution of condoms and needles; creating and enabling environment to reduce risky behaviour; providing access to voluntary testing and counselling; home or institutional care for persons with symptomatic HIV infection; and preventing perinatal transmission and transmission through infected needles or blood in health care settings. It is difficult to capture such a large range of activities with one or just a few indicators. However, a set of well-established health care indicators – such as the percentage of a population with access to health care services; the percentage of women covered by antenatal care; or the percentage of immunized children – may help to identify general strengths and weaknesses of health systems. Specific indicators, such as access to testing and blood screening for HIV, help to measure the capacity of health services to respond to HIV/AIDS – related issues.

□ Access to health care

Indicators	Year	Estimate	Source
% of population with access to health services – total:			
% of population with access to health services – urban:			
% of population with access to health services – rural:			
Contraceptive prevalence rate (%):	1990-1999	48	UNICEF/UNPOP
% of births attended by trained health personnel:	1990-1999	78	UNICEF
% of 1-yr-old children fully immunized – DPT:	1995-1998	82	UNICEF
% of 1-yr-old children fully immunized – Polio:	1995-1998	73	UNICEF
% of 1-yr-old children fully immunized – Measles:	1995-1998	80	UNICEF
Proportion of blood donations tested:			
% of ANC clinics where HIV testing is available:			
HIV/AIDS Hospital Occupancy Rate (Days):			

Male and female condoms are the only technology available that can prevent sexual transmission of HIV and other STIs. Persons exposing themselves to the risk of sexual transmission of HIV should have consistent access to high quality condoms. AIDS Programmes implement activities to increase both availability of and access to condoms. The two condom availability indicators below are intended to highlight areas of strength and weakness at the beginning and end of the distribution system so that programmatic resources can be directed appropriately to problem areas.

☐ Condom availability (central level)

Prevention Indicator 2: Availability of condoms in the country over the last 12 months (central level).

Year	Area	N	Rate	
Comments:				
Sources:				
☐ Condom availability (p	eripheral level)			
	<u> </u>			
Prevention Indicator 3: Propo	ortion of people who can a	cquire a condom (peripheral	level).	
Year	Area	N	Rate	
	7.1.00	··	Hato	
Comments:				

Sources:

Knowledge and behaviour

In most countries the HIV epidemic is driven by behaviours (e.g.: multiple sexual partners, intravenous drug use) that expose individuals to the risk of infection. Information on knowledge and on the level and intensity of risk behaviour related to HIV/AIDS is essential in identifying populations most at risk for HIV infection and in better understanding the dynamics of the epidemic. It is also critical information in assessing changes over time as a result of prevention efforts. One of the main goals of the 2nd generation HIV surveillance systems is the promotion of regular behavioural surveys in order to monitor trends in behaviours and target interventions.

☐ Knowledge of HIV- related preventive practices

Prevention Indicator 1: Proportion of people citing at least two acceptable ways of protection from HIV infection.

Year Area Age Group Male Fe	nale All
1996 All 18-25	80.0

Comments:

Sources:

Study on Sexual knowledge, attitudes and practices among youth in Botswana, 1996

□ Reported non-regular sexual partnerships

Prevention Indicator 4: Proportion of sexually active people having at least one sex partner other than a regular partner in the last 12 months.

 Year	Area	Age Group	Male	Female	All

Comments

Sources:

☐ Reported condom use in risk sex (gen pop)

Prevention Indicator 5: Proportion of people reporting the use of a condom during the most recent intercourse of risk.

Yea	r	Area	Age Group	Male	Female	All
199	i i	All	18-25		85.0	

Comments:

Sources:

Study on Sexual knowledge, attitudes and practices among youth in Botswana, 1996

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Knowledge and behaviour

	of people who eve	er used a condom.					
	Year	Area	Age Group	Male	Female	All	
Comments:							
Sources:							
□ <u>Media</u>	n age at first sexu	ual experience					
Median age	of people at which	n they first had sexu	ual intercourse.				
	Year	Area	Age Group	Male	Female	All	
	1988 1988	All All	20-24 45-49		17.2 18.1		
Comments:		All	45-49		10.1		
Sources:	DHS/1998						
☐ Adoles	scent pregnancy						
		9 who are mothers	or pregnant with their fir	st child.			
		9 who are mothers Area	or pregnant with their fir Age Group	st child.	Rate	N	
	of teenagers 15-1			st child.	Rate	N	
Percentage Comments:	of teenagers 15-1			st child.	Rate	N	
Percentage Comments: Sources:	of teenagers 15-1 Year		Age Group	st child.	Rate	N	
Percentage Comments: Sources:	of teenagers 15-1 Year	Area	Age Group	st child.	Rate	N	
Percentage Comments: Sources:	of teenagers 15-1 Year	Area	Age Group	st child.	Rate Rate	N N	
Percentage Comments: Sources:	of teenagers 15-1 Year rtion of people ev	Area	Age Group	st child.			
Percentage Comments: Sources: Propo Comments:	of teenagers 15-1 Year rtion of people ev	Area	Age Group	st child.			
Percentage Comments: Sources:	of teenagers 15-1 Year rtion of people ev	Area	Age Group	st child.			
Comments: Sources: Comments: Sources:	of teenagers 15-1 Year rtion of people ev	Area ver having had sex Area	Age Group with same sex Age Group	st child.			
Comments: Sources: Comments: Sources:	of teenagers 15-1 Year rtion of people ev	Area	Age Group with same sex Age Group	st child.			

Sources

Data presented in this Epidemiological Fact Sheet come from several different sources, including global, regional and country reports, published documents and articles, posters and presentations at international conferences, and estimates produced by UNAIDS, WHO and other United Nations Agencies. This section contains a list of the more relevant sources used for the preparation of the Fact Sheet. Where available, it also lists selected national Web sites where additional information on HIV/AIDS and STI are presented and regularly updated. However, UNAIDS and WHO do not warrant that the information in these sites is complete and correct and shall not be liable whatsoever for any damages incurred as a result of their use.

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Annex: HIV Surveillance data by site

Group	Area		1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Pregnant	Major Urban Areas	Francistown								8	23.7	34.3	29.7	39.6	43.1	42.9	43	
women																		<u> </u>
		Gaborone							6		14.9	19.2	27.8	28.7	31.4	34	39.1	
		Selebi-Phikwe											27		37.8		49.9	<u> </u>
Pregnant women	Outside Major Urban Areas	Boteti							4.1		7.5							
		Chobe										18.3		37.9		38.3		
		Ghanzi										9.5		18.9				
		Ghanzi district															22.3	
		Kgatleng														30.5		
	Kweneng										13.7		18.9	43.8				
	Kweneng East															37.2		
	district																<u> </u>	
	Kweneng West district															26.5	l	
	Lobatse										17.8		38.9		33.7			
	Mahalapye														28.2			
	Maun			0						12.7				33.1		33.5	—	
	Ngami/Maun									,		19.4		00.1		00.0	<u> </u>	
	Serowe										19.9	10.1	29.9				<u> </u>	
	Serowe/Pala										10.0		20.0		34.4			
	Southern district											16		21.8	0	24.7	 	
	Tutume											23.1		30		37.5		
Group	Area		1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Sex workers	Major Urban Areas		1001	1000	1000	1007	1000	1000	1000	1001	1002	1000	1001	1000	1000	1007	1000	.000
Sex workers	Outside Major Urban Areas																	
Group	Area		1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Injecting drug users	Major Urban Areas																	
Injecting drug	Outside Major Urban Areas																	—
users	Outside Major Orban Areas																	l
Group	Area		1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
STI patients	Major Urban Areas	Francistown (Males)										48.5	53.8	50.7		60.1	60.4	
		Gaborone									21.8	30.2	38.1	34.9		39.8	54.2	
		(Males)																<u> </u>
		Selebi-Phikwe (Males)															64	l
STI Patients Outside Major Urban Areas	Chobe (Males)										43.6		41					
		Ghanzi (Males)										15.2		11.5				
	Ghanzi district															54.2		
		(Males)																
		Kgatleng														33.7		l
		(Males) Kweneng East															35.5	
		district (Males) Kweneng West															55.8	
		district (Males)																l
		Lobatse (Males)										16.2		50.6		49.3		
		Mahalapye									23.2					36.9		
		(Males)			_													Н—
		Maun Maun (Males)			0												64	Н—
				1			-		 					40.7	 	 	04	
		Serowe (Males)												48.7		24.4		
		Serowe/Palapye (Males)														34.4		ł
		Southern district															44.4	
		(Males)															E4 4	Н—
		Tutume (Males)							1000		4000				1000		51.4	
Group	Area		1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Blood Donors	National																	
Blood Donors	Major Urban Areas			-					<u> </u>					<u> </u>	<u> </u>	<u> </u>		
Blood Donors	Outside Major Urban Areas													<u> </u>		1		